

IN THE CLAIMS

1. (Currently amended) A multi-chip package comprising:
at least two semiconductor chips vertically mounted on a substrate and encapsulated
with a mold resin; and

a soft element located between at least one of the at least two semiconductor chips
and the mold resin, the soft element being more elastic and flexible than the mold resin, the
soft element being adapted to relieve stress in the joinder between the at least one
semiconductor chips and the encapsulating mold resin.

2. (Original) The multi-chip package of claim 1, wherein the soft element
contacts substantially the entire surface of at least one side of the at least one of the at least
two semiconductor chips.

3. (Original) The multi-chip package of claim 1, wherein the soft element
contacts a portion of at least one side of the at least one of the at least two semiconductor
chips.

4. (Original) The multi-chip package of claim 1, wherein the soft element
contacts substantially the entire upper surface of an uppermost chip of the at least two
semiconductor chips.

5. (Original) The multi-chip package of claim 1, wherein the soft element
contacts a portion of an upper surface of an uppermost chip of the at least two semiconductor
chips.

6. (Original) The multi-chip package of claim 1, further comprising an adhesive
applied for adhesion between the substrate and the at least two semiconductor chips, wherein
the soft element is configured to increase vertical mobility of the semiconductor chips against
a load of the adhesive applied to the semiconductor chips upon cooling.

7. (Original) The multi-chip package of claim 1, wherein the soft element
comprises one selected from the group consisting of an elastomer and an epoxy resin.

8. (Original) The multi-chip package of claim 1, the package further comprising:
solder balls as terminals for connecting the package to an external circuit.

9. (Original) The multi-chip package of claim 1, wherein the substrate comprises
one selected from the group consisting of a printed circuit board (PCB) substrate and a
polyimide substrate.

10. (Currently amended) A device comprising:
at least two semiconductor chips stacked on a substrate;
a soft element formed on a surface of at least one of the at least two semiconductor
chips, but not on surfaces between the at least two semiconductor chips, the soft element
more flexible than the encapsulant; and
an encapsulant covering the at least two semiconductor chips and the soft element, the
soft element configured to reduce the constrictive force of the encapsulant on the surface.

11. (Original) The device of claim 10, wherein the surface comprises
substantially the entire surface that is contained by a single plane.

12. (Original) The device of claim 10, wherein the surface comprises a part of
substantially the entire surface that is contained by a single plane.

13. (Original) The device of claim 10, wherein the encapsulant comprises one
selected from the group consisting of an elastomer and an epoxy resin.

14. (Currently amended) A method of manufacturing a multi-chip package,
comprising:
vertically stacking at least two semiconductor chips on a substrate, the at least two
semiconductor chips having upper, lower, and side surfaces;
bonding a bond pad on at least one of the at least two semiconductor chips to a bond
finger on the substrate with a bonding wire;
forming a soft element including an elastomer or an epoxy resin without a filler on at
least one side surface of at least one of the at least two semiconductor chips; and
encapsulating the at least two semiconductor chips and the soft element using a mold
resin.

15. (Previously presented) The method of claim 14, wherein forming the soft element comprises:

forming the soft element on substantially the entire surface of the at least one side surface.

16. (Previously presented) The method of claim 14, wherein forming the soft element comprises:

forming the soft element on a portion of the at least one side surface.

17. (Original) The method of claim 14, wherein forming the soft element comprises:

forming the soft element on substantially the entire upper surface of an uppermost one of the at least two semiconductor chips.

18. (Original) The method of claim 14, wherein forming the soft element comprises:

forming the soft element on a portion of an upper surface of an uppermost one of the at least two semiconductor chips.

19. (Original) The method of claim 14, wherein forming the soft element comprises:

forming the soft element to cover the bonding wire, to cover a contact area between the bonding wire and the bond pad, and to cover a contact area between the bonding wire and the bond finger.

20. (Cancelled)

21. (Previously presented) The method of claim 1, wherein the soft element is disposed between at least one of the semiconductor chips and the mold resin and not between the semiconductor chips.

22. (Previously presented) The method of claim 1, wherein the soft element comprises an epoxy resin without a filler.